

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To:

KEIL & SCHAAFHAUSEN
Cronstettenstrasse 66
D-60322 Frankfurt am Main
GERMANY



15. Dec. 2003

PCT

NOTIFICATION OF RECEIPT
OF SEARCH COPY

(PCT Rule 25.1)

Applicant's or agent's file reference

01P92WO

International application No.

PCT / EP 03 / 11659

International filing date (day/month/year)

21/10/2003

Priority date (day/month/year)

24/10/2002

IMPORTANT NOTIFICATION

Applicant

OUTOKUMPU OYJ

1. Where the International Searching Authority and the Receiving Office are not the same office:

The applicant is hereby notified that the search copy of the international application was received by this International Searching Authority on the date indicated below.

Where the International Searching Authority and the Receiving Office are the same office:

The applicant is hereby notified that the search copy of the international application was received on the date indicated below.

11/11/2003 (date of receipt).

2. The search copy was accompanied by a nucleotide and/or amino acid sequence listing in computer readable form.

3. Time limit for establishment of International Search Report

The applicant is informed that the time limit for establishing the International Search Report is 3 months from the date of receipt indicated above or 9 months from the priority date, whichever time limit expires later

4. A copy of this notification has been sent to the International Bureau and, where the first sentence of paragraph 1 applies, to the Receiving Office.

Name and mailing address of the International Searching Authority

 European Patent Office, P.B. 5818 Patentlaan 2
 NL-2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

ISA / EP

PATENT COOPERATION TREATY
PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 01P92WO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/EP 03/11659	International filing date (day/month/year) 21/10/2003	(Earliest) Priority Date (day/month/year) 24/10/2002
Applicant OUTOKUMPU OYJ		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :
 - contained in the international application in written form.
 - filed together with the international application in computer readable form.
 - furnished subsequently to this Authority in written form.
 - furnished subsequently to this Authority in computer readable form.
 - the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
 - the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. Certain claims were found unsearchable (See Box I).

3. Unity of invention is lacking (see Box II).

4. With regard to the title,

- the text is approved as submitted by the applicant.
- the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- the text is approved as submitted by the applicant.
- the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

- as suggested by the applicant.
- because the applicant failed to suggest a figure.
- because this figure better characterizes the invention.

2 _____

None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/11659

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C01B17/765

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, PAJ, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 397 044 A (METALLGESELLSCHAFT AG) 11 June 1975 (1975-06-11) page 1, line 65 - line 86; claims; figure ---	1-21
X	DATABASE WPI Section Ch, Week 200204 Derwent Publications Ltd., London, GB; Class E36, AN 2002-032802 XP002269015 & RU 2 174 945 C (ARPISHKIN I M), 20 October 2001 (2001-10-20) abstract ---	1-21
X	DE 10 54 431 B (G. PETERSEN) cited in the application column 4, line 13 - line 16; claims --- -/--	1-21

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

° Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

4 February 2004

Date of mailing of the international search report

18/02/2004

Name and mailing address of the ISA

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Authorized officer

Zalm, W

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 03/11659

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 20 26 818 A (BAYER) 16 December 1971 (1971-12-16) cited in the application ----	
A	US 3 875 294 A (HENNENBERGER KARL-HEINZ ET AL) 1 April 1975 (1975-04-01) -----	

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP 03/11659

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
GB 1397044	A	11-06-1975	DE AU AU CA ES FR JP SE US ZA	2213579 A1 472074 B2 5269973 A 982324 A1 412844 A1 2176920 A1 49013097 A 382623 B 3997655 A 7301275 A	20-06-1973 13-05-1976 29-08-1974 27-01-1976 01-01-1976 02-11-1973 05-02-1974 09-02-1976 14-12-1976 29-05-1974
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DE 2026818	A	16-12-1971	DE AT BE CA CH DK ES FR GB JP NL NO SE US ZA	2026818 A1 305312 B 767991 A1 951084 A1 572002 A5 131337 B 391776 A1 2095827 A5 1356653 A 52043797 B 7107513 A 130765 B 362234 B 3755549 A 7103248 A	16-12-1971 26-02-1973 02-12-1971 16-07-1974 30-01-1976 30-06-1975 16-06-1973 11-02-1972 12-06-1974 01-11-1977 06-12-1971 28-10-1974 03-12-1973 28-08-1973 26-01-1972
US 3875294	A	01-04-1975	DE AU AU CA ES FR GB JP SE ZA	2213578 A1 475296 B2 5148173 A 987473 A1 412848 A1 2176683 A1 1397046 A 49054295 A 394414 B 7300136 A	11-10-1973 19-08-1976 01-08-1974 20-04-1976 16-03-1976 02-11-1973 11-06-1975 27-05-1974 27-06-1977 26-09-1973